

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-94 (Cancelled).

95. (Currently Amended) A method for obtaining human cells with enhanced biological function comprising culturing at least one of human osteoblasts, human ~~osteoclasts~~ osteoclasts, ~~human neural cells~~, ~~human adipocytes~~, and human T cells under physiologically acceptable liquid culture conditions,

said conditions including replacement of a liquid culture medium at rate of from 50% to 100% daily replacement for a cell density of from 1×10^4 to 1×10^7 cells per ml of culture for more than one day and for a time sufficient to obtain human-cells with enhanced biological function,

wherein said enhanced biological function is relative to the biological function of the human cells that are cultured in a static culture; and

wherein the enhanced biological function comprise enhanced replicative potential.

96. (Previously Presented) The method of claim 95, wherein the culture medium is continuously perfused at a ramped rate proportional to the lactate concentration and/or cell density to replace the culture medium without substantial dilution of the cell density.

97. (Previously Presented) The method of claim 95, wherein the human cells are cultured for at least 2 days.

98. (Previously Presented) The method of claim 95, wherein the culture medium contains at least 1 growth factor which stimulates the proliferation of the human cells.

Claim 99 (Cancelled).

100. (Previously Presented) The method of claim 95, wherein the human cells are human osteoblasts.

Claim 101 (Cancelled).

102. (Previously Presented) The method of claim 95, wherein the human cells are human osteoclasts.

Claims 103-107 (cancelled):

108 (New): The method of claim 95, wherein the human cells are human T-cells.

Claim 109 (Cancelled).

110. (Previously Presented) The method of claim 95, wherein the human cells are human T cells and human osteoclasts.

Claim 111 (Cancelled).

112. (Previously Presented) The method of claim 95, wherein the human cells are human osteoblasts and human osteoclasts.

Claim 113 (Cancelled).